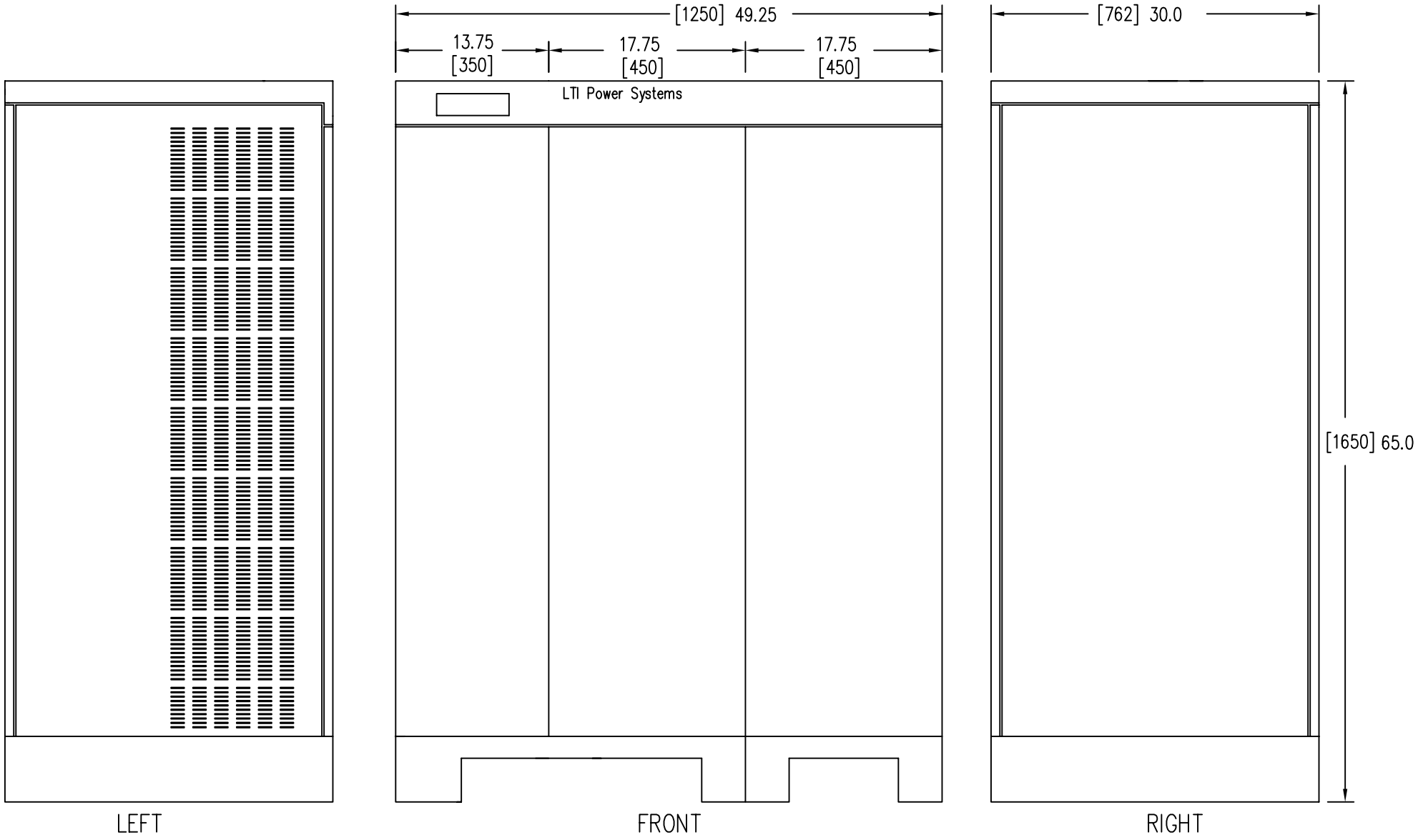


NOTES:

1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. DIMENSIONS WITHIN BRACKETS [ ] ARE IN MILLIMETERS.
2. RECOMMENDED CLEARANCE FOR AIR FLOW AND SERVICEABILITY : LEFT SIDE 30" [762] , RIGHT SIDE 18" [457.2] AND BACK OF SYSTEM 12" [304.8].

LTI Power Systems, Inc. TEL. (440) 327-5050 10800 MIDDLE AVE. BLDG. B ELYRIA, OHIO	ProUPS B1250 ENCLOSURE 30KVA, 125VDC INVERTER WEIGHT: 1,600 LBS. (726.4 kg) SHEET 1 OF 1	LTI – ProUPS CAD DWG NAME: B1250CAB_30_125VDC	REV.

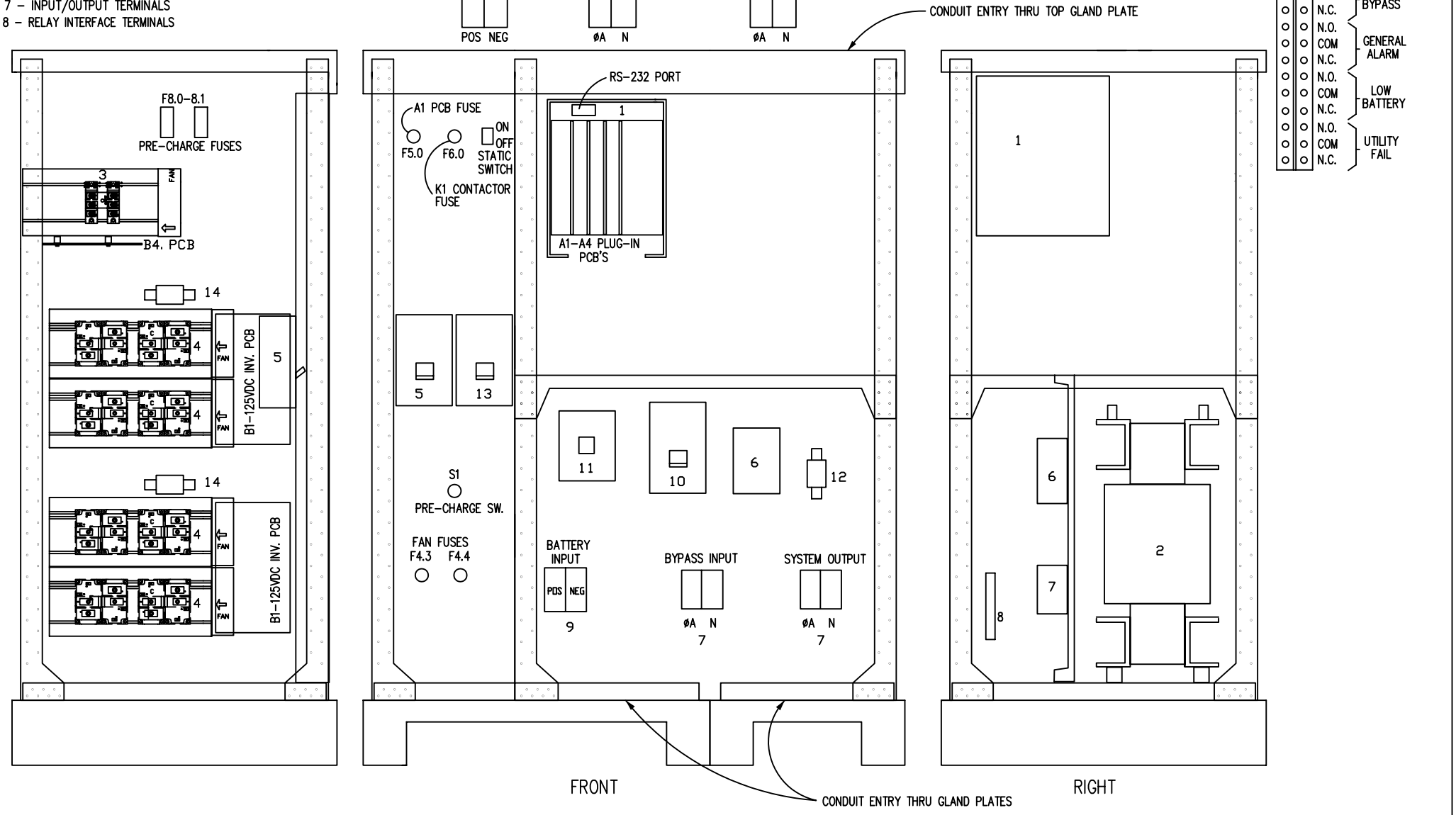
1 – ELECTRONICS RACK
2 – INVERTER TRANSFORMER
3 – STAT. SWITCH POWER PACK
4 – INVERTER POWER PACK
5 – MANUAL BYPASS CIRCUIT BREAKER
6 – RFI FILTER
7 – INPUT/OUTPUT TERMINALS
8 – RELAY INTERFACE TERMINALS
9 – BATTERY INPUT TERMINALS
10 – BATTERY CIRCUIT BREAKER
11 – CONTACTOR
12 – F2.0 BYPASS FUSE
13 – AC OUTPUT BREAKER
14 – F3.0–3.1 INV. FUSES

TERMINATION CONFIGURATION (BOTTOM, FRONT)
TERMINAL BLOCK CAPACITY : 350 MCM TO 6 AWG.
TORQUE: 275 IN. LBS.

BATTERY INPUT (POS NEG) BYPASS INPUT (øA N) SYSTEM OUTPUT (øA N)

RELAY INTERFACE TERMINATIONS
TERMINAL CAPACITY: 14 TO 20 AWG.
RELAYS RATED 1A @ 24VDC, 0.5A @ 120VAC RESISTIVE

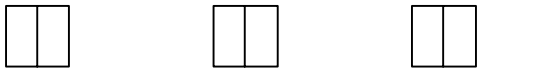
CONTROLS: COMMON, INV. ON, INV. OFF, OUTPUT OFF
ON BYPASS: N.O., COM, N.C.
GENERAL ALARM: N.O., COM, N.C.
LOW BATTERY: N.O., COM, N.C.
UTILITY FAIL: N.O., COM, N.C.



LTI Power Systems, Inc. TEL. (440) 327–5050 10800 Middle Ave. Bldg. B Elyria, Ohio 44035	MK333 30KVA, 125VDC INVERTER ASSEMBLY	LTI–ProUPS CAD DWG NAME: 30KINV–125VDC_FORMC	REV. 1

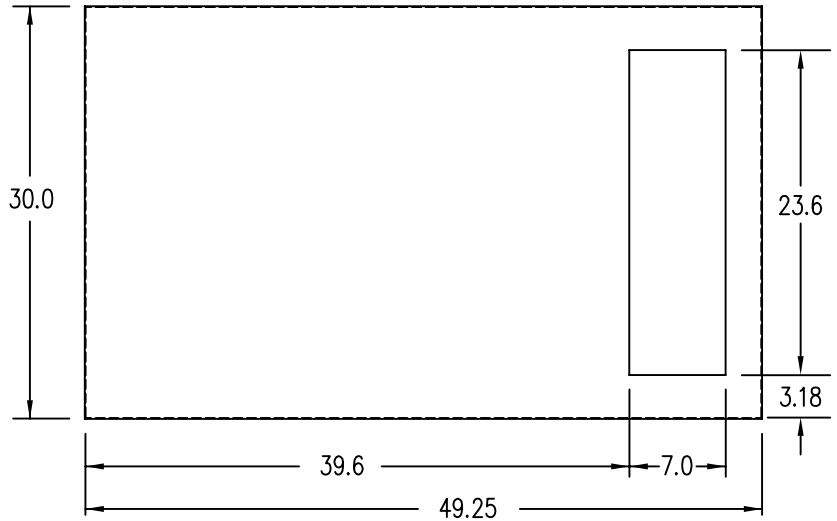
TERMINATION CONFIGURATION (BOTTOM, FRONT)

TERMINAL BLOCK CAPACITY : 350 MCM TO 6 AWG



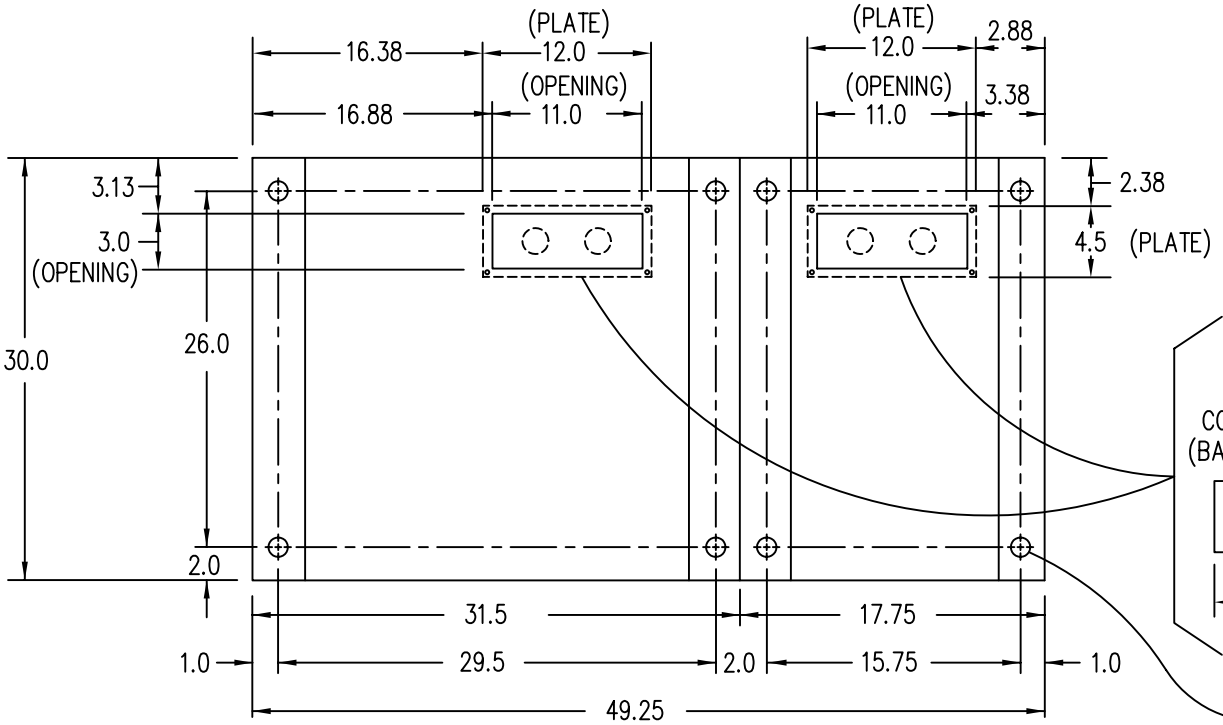
NOTE: ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.

WHEN USING TOP CABLE ENTRY, ROUTE WIRES DOWN ALONG RIGHT SIDE OF CABINET TO BOTTOM, FRONT TERMINAL BLOCK LOCATION.

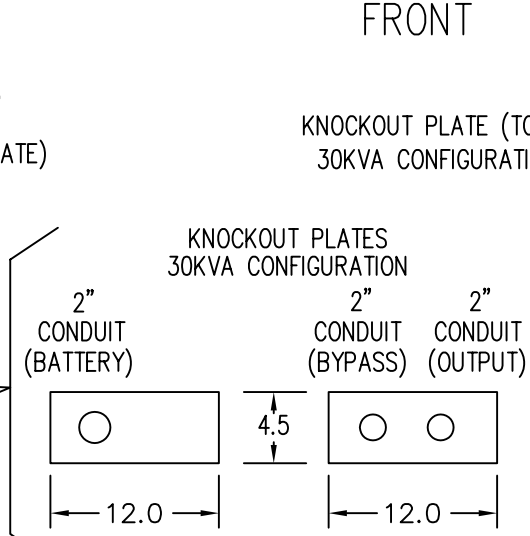


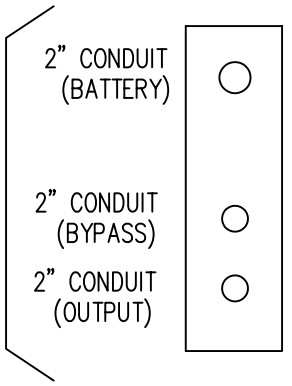
(VIEW FROM TOP OF CABINET)

FRONT



(VIEW FROM BOTTOM OF CABINET)



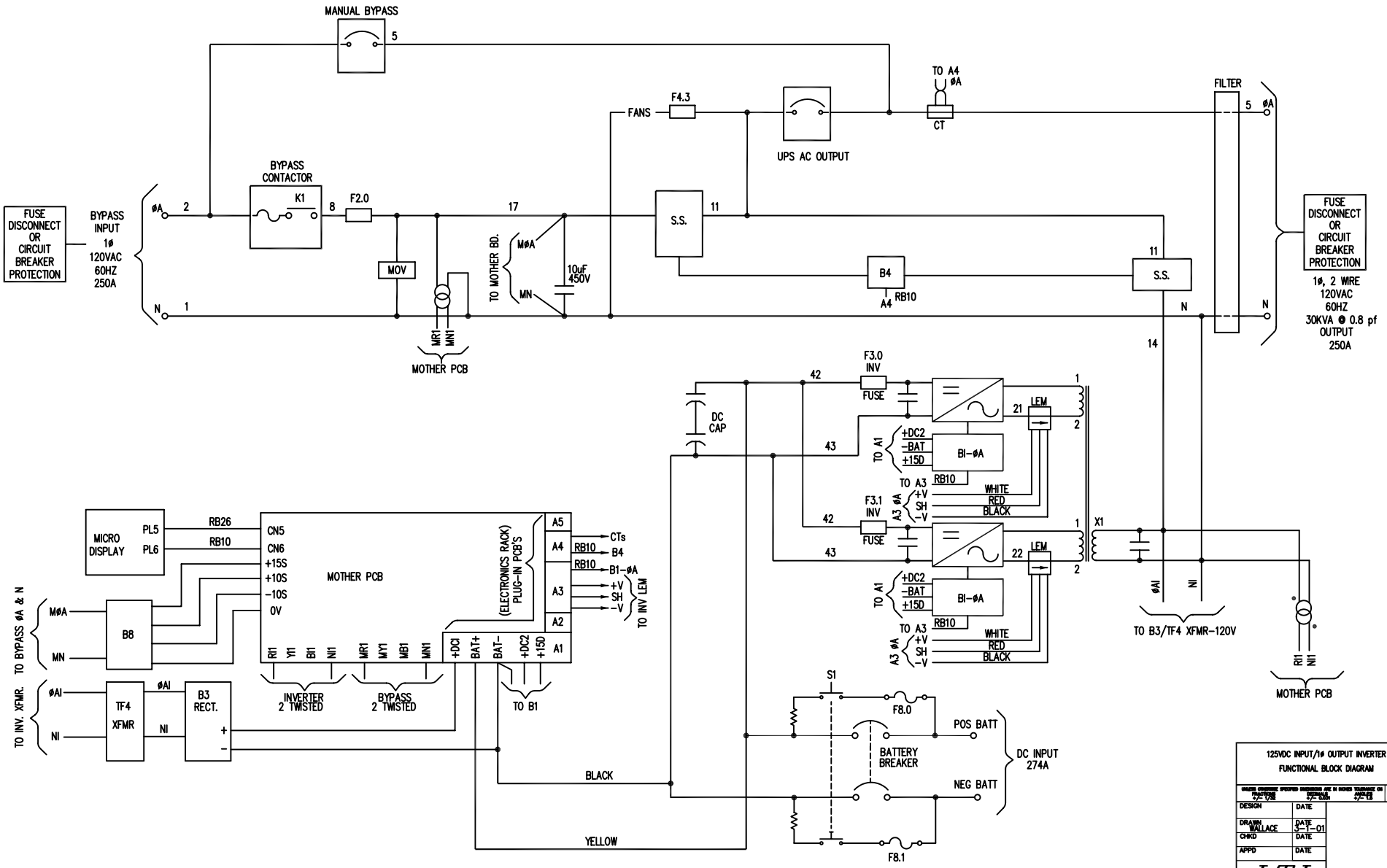


LTI Power Systems, Inc. TEL. (440) 327-5050 10800 Middle Ave. Bldg. B Elyria, Ohio 44035	30KVA , 125VDC INVERTER ASSEMBLY SHEET 1 OF 1	LTI—ProUPS CAD DWG NAME: 30kINV_125BASE	REV. 1

NOTES:

1. WIRE SIZES BASED ON 90°C COPPER CONDUCTORS OPERATING IN 30°C AMBIENT AND NEC TABLES 250-95 AND 310-16. INCREASE CONDUCTOR SIZE FOR LONG RUNS.

BYPASS AC INPUT	MAX. INPUT CURRENT	CKT. BRKR. RATING	A.I.C. RATING	TERM. CAPACITY	TORQUE	RECM. SIZE	RECM. FUSING	RECM. GRD. SIZE	RECM. CONDUIT
120V	250A	280A	25,000	350MCM -6 AWG	50 IN/LBS	300MCM	300A	2 AWG	2"
AC OUTPUT	**MAX. CURRENT**	**CKT. BRKR. RATING**	**A.I.C. RATING**	**TERM. CAPACITY**	**TORQUE**	**RECM. SIZE**	**RECM. FUSING**	**RECM. GRD. SIZE**	**RECM. CONDUIT**
120V	250A	280A	25,000	350MCM -6 AWG	50 IN/LBS	300MCM	300A	2 AWG	2"
DC INPUT	**MAX. CURRENT**	**CKT. BRKR. RATING**	**A.I.C. RATING**	**TERM. CAPACITY**	**TORQUE**	**RECM. SIZE**	**RECM. FUSING**	**RECM. GRD. SIZE**	**RECM. CONDUIT**
125V	274A	320A	35,000	350MCM -6 AWG	50 IN/LBS	350MCM	350A	2 AWG	2"



125VDC INPUT/1ø OUTPUT INVERTER
FUNCTIONAL BLOCK DIAGRAM

DESIGN	DATE	
DRAWN WALLACE	DATE 3-7-01	
CHKD	DATE	
APPD	DATE	

LTI POWER SYSTEMS, INC. ELYRIA,OHIO 44035-2214

1SK3_301212I_120VDC

SHEET 1 OF 1

ISSUE